

(19) World Intellectual Property Organization
International Bureau(43) International Publication Date
5 April 2001 (05.04.2001)

PCT

(10) International Publication Number
WO 01/23558 A2(51) International Patent Classification⁷: C12N 15/12,
C07K 14/705, C12Q 1/68, G01N 33/50, A01K 67/027

(21) International Application Number: PCT/US00/25610

(22) International Filing Date:
19 September 2000 (19.09.2000)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/156,624 28 September 1999 (28.09.1999) US
60/156,625 28 September 1999 (28.09.1999) US
60/168,611 2 December 1999 (02.12.1999) US
60/168,613 2 December 1999 (02.12.1999) US
60/168,614 2 December 1999 (02.12.1999) US(63) Related by continuation (CON) or continuation-in-part (CIP) to earlier applications:
US 60/156,624 (CIP)
Filed on 28 September 1999 (28.09.1999)
US 60/156,625 (CIP)
Filed on 28 September 1999 (28.09.1999)
US 60/168,614 (CIP)
Filed on 2 December 1999 (02.12.1999)
US 60/168,611 (CIP)
Filed on 2 December 1999 (02.12.1999)
US 60/168,613 (CIP)
Filed on 2 December 1999 (02.12.1999)

(71) Applicant (for all designated States except US): INCYTE GENOMICS, INC. [US/US]; 3160 Porter Drive, Palo Alto, CA 94304 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): HODGSON, David, M. [US/US]; 567 Addison Avenue, Palo Alto, CA 94304 (US). LINCOLN, Stephen, E. [US/US]; 725 Sapphire Street, Redwood City, CA 94061 (US). RUSSO, Frank, D. [US/US]; 1583 Courdillaeras Road, Redwood City, CA 94062 (US). SPIRO, Peter, A. [US/US]; 3875 Park Boulevard, Apt. B16, Palo Alto, CA 94306 (US). BANVILLE,

Steven, C. [US/US]; 604 San Diego Avenue, Sunnyvale, CA 94086 (US). BRATCHER, Shawn, R. [US/US]; 550 Ortega Avenue #B321, Mountain View, CA 94040 (US). DUFOUR, Gerard, E. [US/US]; 5327 Greenridge Road, Castro Valley, CA 94552-2619 (US). COHEN, Howard, J. [US/US]; 3272 Cowper Street, Palo Alto, CA 94306-3004 (US). ROSEN, Bruce, H. [US/US]; 177 Hanna Way, Menlo Park, CA 94025 (US). SHAH, Purvi [IN/US]; 859 Salt Lake Drive, San Jose, CA 95133 (US). CHALUP, Michael, S. [US/US]; 183 Acalanes Drive, Apt. 6, Sunnyvale, CA 94086 (US). HILLMAN, Jennifer, L. [US/US]; 230 Monroe Drive, #17, Mountain View, CA 94040 (US). JONES, Anissa, Lee [US/US]; 445 South 15th Street, San Jose, CA 95112 (US). YU, Jimmy, Y. [US/US]; 37330 Portico Terrace, Fremont, CA 94536-7901 (US). GREENAWALT, Lila, B. [US/US]; 1596 Ballantree Way, San Jose, CA 95118-2106 (US). PANZER, Scott, R. [US/US]; 965 East El Camino, #621, Sunnyvale, CA 94087 (US). ROSEBERRY, Ann, M. [US/US]; 725 Sapphire Street, Redwood City, CA 94061 (US). WRIGHT, Rachel, J. [NZ/US]; 339 Anna Way, Mountain View, CA 94043 (US). CHEN, Wensheng [CN/US]; 210 Easy Street, #25, Mountain View, CA 94043 (US). LIU, Tommy, F. [US/US]; 201 Ottilia Street, Daly City, CA 94014 (US). YAP, Pierre, E. [US/US]; 201 Happy Hollow Court, Lafayette, CA 94549-6243 (US). STOCKDREHER, Theresa, K. [US/US]; 1596 Ontario Drive, #2, Sunnyvale, CA 94087 (US). AMSHEY, Stefan [US/US]; 1541 Canna Court, Mountain View, CA 94043 (US). FONG, Willy, T. [US/US]; 572 Cambridge Street, San Francisco, CA 94134 (US).

(74) Agents: HAMLET-COX, Diana et al.; Incyte Genomics, Inc., 3160 Porter Drive, Palo Alto, CA 94304 (US).

(81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW.

(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European

[Continued on next page]

(54) Title: SECRETORY MOLECULES

(57) Abstract: The present invention provides purified secretory polynucleotides (sptm). Also encompassed are the polypeptides (SPTM) encoded by sptm. The invention also provides for the use of sptm, or complements, oligonucleotides, or fragments thereof in diagnostic assays. The invention further provides for vectors and host cells containing sptm for the expression of SPTM. The invention additionally provides for the use of isolated and purified SPTM to induce antibodies and to screen libraries of compounds and the use of anti-SPTM antibodies in diagnostic assays. Also provided are microarrays containing sptm and methods of use.



WO 01/23558 A2



patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

Published:

- *Without international search report and to be republished upon receipt of that report.*